

SELF-ASSESSMENT GUIDE

QUALIFICATION:	DIESEL POWER PLANT OPERATIONS AND MAINTENANCE NC II		
Certificate of Competency 1:	TEND DIESEL ENGINE		
Instruction <ul style="list-style-type: none"> Read each of the questions in the left-hand column of the chart. Place a check on each question to indicate your answer. 			
Can I?	YES	NO	
<ul style="list-style-type: none"> Perform walk around check of plant system in accordance with enterprise procedure. 			
<ul style="list-style-type: none"> Refill/top-up fluid deficiencies in accordance with enterprise policy. 			
<ul style="list-style-type: none"> Identify and correct non-fluid deficiencies in accordance with enterprise policy. 			
<ul style="list-style-type: none"> Check and record result of walk around and report to shift in charge. 			
<ul style="list-style-type: none"> Monitor engine running condition for normal operation based on indicating parameters. 			
<ul style="list-style-type: none"> Perform routine check during operation in accordance with equipment checklist. 			
<ul style="list-style-type: none"> Record unit abnormalities and report to shift in charge. 			
<ul style="list-style-type: none"> Coordinate shutdown procedure with the control operator in accordance with enterprise policy. 			
<ul style="list-style-type: none"> Engage emergency stop button in accordance with the operation s manual. 			
<ul style="list-style-type: none"> Record daily operation and report in accordance with the enterprise policy. 			
I agree to undertake assessment in the knowledge that information gathered will only be used for professional development purposes and can only be accessed by concerned assessment personnel and my manager/supervisor.			
Candidate's Name and Signature:			Date:

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QUALIFICATION:	DIESEL POWER PLANT OPERATIONS AND MAINTENANCE NC II		
Certificate of Competency 2:	MINTAIN AND REPAIR DIESEL ENGINE SYSTEMS AND ALTERNATOR		
Instruction <ul style="list-style-type: none"> • Read each of the questions in the left-hand column of the chart. • Place a check on each question to indicate your answer. 			
Can I?	YES	NO	
• Maintain turbocharger based on PMS*			
• Clean or replace air filter as indicated by air restriction indicator.			
• Clean air filter casing and freed of dust or foreign particles as cleaning or replacement of filter occurs.			
• Perform change oil according to PMS.			
• Perform cleaning of lube oil system according to PMS			
• Install and uninstall oil cooler assembly in accordance with the manufacturer's instruction.			
• Disassemble/assemble oil cooler assembly without causing damage to the fins, oil cooler tubes and oil seals (o-ring) and in accordance with manufacturer's instruction*			
• Clean oil cooler tubes and freed of scale or restrictions.			
• Check cooling system for leaks visually.			
• Service radiator following enterprise policy*			
• Check thermostat in accordance with its operating temperature.			
• Replace or repair system components based on test result.			
• Refill coolant in accordance to the manufacturer's instruction			

• Maintain coolant pump in accordance with PMS*		
• Replace fuel filter in accordance with manufacturer's instruction and PMS.		
• Drain fuel oil/water separator to ensure that the system is free from foreign elements.		
• Recommend servicing and calibration of fuel injector in accordance with PMS and enterprises policy*		
• Remedy and restore loose connections to normal conditions in accordance with manufacturer's instructions		
• Check insulation and winding resistance in accordance with manufacturer's manual.		
• Check revolving diodes and bridge rectifiers in accordance with manufacturer's manual		
• Test AVR functionality based on enterprise policy		
• Check air gap clearances in accordance with manufacturer's manual		
• Prepare and submit service report in accordance with enterprise policy		
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Candidate's Name and Signature:	Date:	